(19) Canadian Intellectual Property Office

Office de la Propri,t, Intellectuelle du Canada (11) CA 2 458 221

(13) A1

An Agency of Industry Canada

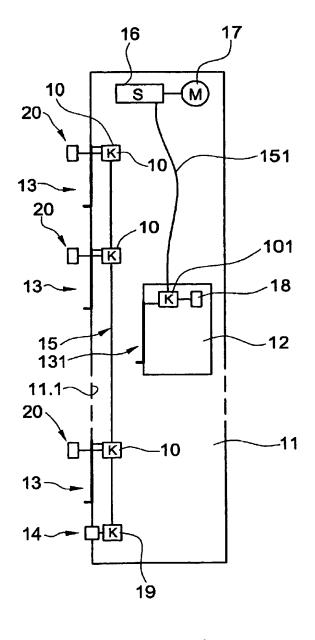
Un organisme d'Industrie Canada (40) 13.03.2003 (43) 13.03.2003

(12)	
(21) 2 458 221	(51) Int. Cl. ⁷ : B66B 5/02
(22) 15.08.2002	(85) 20.02.2004
	(86) PCT/CH02/000447
	(87) WO03/020627
(30) 01121058.0 EP 03.09.2001	(72)
(71) INVENTIO AG, Seestrasse 55	ANGST, PHILIPP (CH). DEPLAZES, ROMEO (CH).
CH-6052 NW HERGISWIL XX (CH).	(74) RICHES, MCKENZIE & HERBERT LLP

(54) REACTION, EN FONCTION DE LA SITUATION, EN CAS DE DERANGEMENT AU NIVEAU D'UNE PORTE D'UN SYSTEME D'ASCENSEUR

(54) SITUATION-DEPENDENT REACTION IN THE CASE OF A FAULT IN THE REGION OF A DOOR OF A LIFT SYSTEM

(57)The invention relates to a lift system, comprising a lift cabin (12), with a cabin door (131), which moves along a lift shaft wall (11.1), provided with shaft doors (13) and a controller (16), with recording means (20; 18), arranged in the vicinity of the shaft doors (134) and/or in the vicinity of the cabin door(s) (131), for providing fault information to the controller (16). A status determining unit is provided, which is connected to the controller (16) and which provides the same with status information on the position and the speed of the lift cabin (12). The lift system is characterised in that one of the recording means (20; 18) provides fault information on the type of fault and position of the fault to the controller (16), in the case of a fault in the vicinity of one of the shaft doors (13), or the cabin doors (131), the controller (16) triggers a situation-dependent, safe reaction, depending on the type of fault, the position of the fault and the status information in order to guarantee a residual functionality of the lift cabin (12), despite the fault.





Office de la Propriété Intellectuelle du Canada

Un organisme d'Industrie Canada Canadian Intellectual Property Office

An agency of Industry Canada CA 2458221 A1 2003/03/13

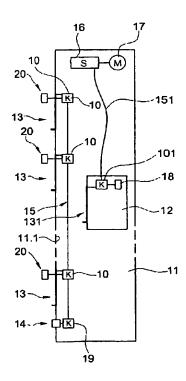
(21) 2 458 221

(12) DEMANDE DE BREVET CANADIEN CANADIAN PATENT APPLICATION

(13) A1

- (86) Date de dépôt PCT/PCT Filing Date: 2002/08/15
- (87) Date publication PCT/PCT Publication Date: 2003/03/13
- (85) Entrée phase nationale/National Entry: 2004/02/20
- (86) N° demande PCT/PCT Application No.: CH 2002/000447
- (87) N° publication PCT/PCT Publication No.: 2003/020627
- (30) Priorité/Priority: 2001/09/03 (01121058.0) EP

- (51) Cl.Int.⁷/Int.Cl.⁷ B66B 5/02
- (71) Demandeur/Applicant: INVENTIO AG, CH
- (72) Inventeurs/Inventors: ANGST, PHILIPP, CH; DEPLAZES, ROMEO, CH
- (74) Agent: RICHES, MCKENZIE & HERBERT LLP
- (54) Titre: REACTION, EN FONCTION DE LA SITUATION, EN CAS DE DERANGEMENT AU NIVEAU D'UNE PORTE D'UN SYSTEME D'ASCENSEUR
- (54) Title: SITUATION-DEPENDENT REACTION IN THE CASE OF A FAULT IN THE REGION OF A DOOR OF A LIFT SYSTEM



(57) Abrégé/Abstract:
The invention relates to a lift system, comprising a lift cabin (12), with a cabin door (131), which moves along a lift shaft wall (11.1), provided with shaft doors (13) and a controller (16), with recording means (20, 18), arranged in the vicinity of the shaft doors (134) and/or in the vicinity of the cabin door(s) (131), for providing fault information to the controller (16). A status determining unit is provided, which is connected to the controller (16) and which provides the same with status information on







CA 2458221 A1 2003/03/13

(21) 2 458 221

(13) A1

(57) Abrégé(suite)/Abstract(continued): the position and the speed of the lift cabin (12). The lift system is characterised in that one of the recording means (20; 18) provides fault information on the type of fault and position of the fault to the controller (16), in the case of a fault in the vicinity of one of the shaft doors (13), or the cabin doors (131), the controller (16) triggers a situation-dependent, safe reaction, depending on the type of fault, the position of the fault and the status information in order to guarantee a residual functionality of the lift cabin (12), despite the fault.